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xpath and finite automata

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XPath Containment in the Presence of Disjunction, DTDs, and Variables - [►luo.ac.be](#) (PDF)

F Neven, T Schwentick - LECTURE NOTES IN COMPUTER SCIENCE, 2003 - Springer

... is that when the alphabet is finite, disjunction allows to ... problem of alternating tree automata on bounded ... Deutsch and Tannen consider XPath containment in the ...

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Stream processing of XPath queries with predicates - [►washington.edu](#) (PDF)

AK Gupta, D Suciu - Proceedings of the 2003 ACM SIGMOD international conference ..., 2003 - portal.acm.org

... In that approach one single XPath expression is translated into multiple pushdown automata that are connected by a network and need to be run in parallel and ...

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Automata theory for XML researchers - [►uhasselt.be](#) (PDF)

F Neven - ACM SIGMOD Record, 2002 - portal.acm.org

... 3]. In brief, unranked trees are finite labeled trees ... by unranked trees, unranked tree automata can serve ... as an algo- rithmic toolbox (eg, XPath containment [16 ...

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Processing XML Streams with Deterministic Automata - [►upenn.edu](#) (PDF)

TJ Green, G Miklau, M Onizuka, D Suciu - LECTURE NOTES IN COMPUTER SCIENCE, 2003 - Springer

... Our contribution here is to show that the lazy Deterministic Finite Automata (DFA) can be used effectively to process large numbers of XPath expressions, at ...

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XPath with Conditional Axis Relations - [►uba.gr](#) (PDF)

M Marx - LECTURE NOTES IN COMPUTER SCIENCE, 2004 - Springer

... The semantics of XPath expressions is given with respect to an XML document modeled as a finite node labeled sibling ordered tree 3 (tree for short). ...

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Avoiding Unnecessary Ordering Operations in XPath - [►ua.ac.be](#) (PDF)

J Hidders, P Michiels - LECTURE NOTES IN COMPUTER SCIENCE, 2004 - Springer

... 4. In Section 5 we present deterministic automata that show ... The semantics of an XPath expression p in a document D ... D and L(N) the set of all finite lists over N ...

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Light-weight XPath processing of XML stream with deterministic automata

M Onizuka - Proceedings of the twelfth international conference on ..., 2003 - portal.acm.org

... This paper proposes four techniques for XPath expression pro- cessing based on Deterministic Finite Automata (DFA) for two pur- poses: to improve the memory ...

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(PDF) [►High-Performance XML Filtering: An Overview of YFilter](#)

Y Diao, MJ Franklin - IEEE Data Engineering Bulletin, 2003 - yfilter.cs.berkeley.edu

... In XFilter, XPath expressions are converted in to FSMs by mapping location ... The key

innovation in YFilter is an Nondeterministic Finite Automaton (NFA)-based ...

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[XPath query containment](#) - [► sigmod.org \(PDF\)](#)

T Schwentick - ACM SIGMOD Record, 2004 - [portal.acm.org](#)

... can also be given for some XPath frag- ments ... C can often be represented by a finite device, a ... be solved by suitably combining the tree automata corresponding to ...

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[XPath queries on streaming data](#) - [► kun.nl \(PDF\)](#)

F Peng, SS Chawathe - Proceedings of the 2003 ACM SIGMOD international conference ..., 2003 - [portal.acm.org](#)

... Since XPath expressions without predicates are essentially regular expressions, they can be transformed into finite state automata (FSA) that accept exactly ...

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